

RHYOLITE, LATITE, TRACHYTE, AND GLASSY EXTRUSIVE ROCKS

LEUCOCRATIC (0-30% MAFIC)

PORPHYRITIC

ROCK	FELSICS			MAFICS				NOTES
	Plagioclase	Quartz	K-Spar	Biotite	Hornblende	Ortho-Pyroxene	Clino-Pyroxene	
12 Rhyolite Porphyry	5% 1-3 mm Glassy sbh-ehd	5-10% 2-5 mm var. smoky anh						Slightly vesicular
16 Trachyte Porphyry	10-15% 1-5 mm white sbh		15-20% 1-5 mm white or altered sbh					Strongly kaolinized - (yellow-white crust, probably on K-spar). Mafic phenocrysts appear altered - possible amphibole originally?

MESOTYPE (30-60% MAFIC)

PORPHYRITIC

ROCK	FELSICS			MAFICS				NOTES
	Plagioclase	Quartz	K-Spar	Biotite	Hornblende	Ortho-Pyroxene	Clino-Pyroxene	
23 Latite Porphyry	25-30% 1-3 mm anh-sbh white			20% 1 mm anh			10% 1-2 mm sbh	Few crystals of apatite(?) are visible

LEUCOCRATIC (0-30% MAFIC)

APHANETIC

ROCK	FELSICS			MAFICS				NOTES
	Plagioclase	Quartz	K-Spar	Biotite	Hornblende	Ortho-Pyroxene	Clino-Pyroxene	
10 Rhyolite Tuff		1-2% 1 mm var. smoky anh	1% 1-2 mm Glassy sbh					A few vesicles - consolidated ash flow
11 Rhyolite		2-3% - 4 mm gray anh	1% 1-2 mm white sbh	< 1% 1-2 mm				Pink to purplish rock, somewhat vesicular. <u>Slight</u> limonite staining on some samples.
9 Pumice								White to gray glassy vesicular rock. Obvious flow structure. Should float in water, but many of these specimens are denser than other pumice.

MESOTYPE (30-60%)

APHANETIC

ROCK	FELSICS			MAFICS				NOTES
	Plagioclase	Quartz	K-Spar	Biotite	Hornblende	Ortho-Pyroxene	Clino-Pyroxene	
34 Scoria	trace 1-2 mm gray sbh-ehd							Highly vesicular (cellular) reddish-brown lava.
8 Obsidian								Dense glassy rock. Reddish-brown to black. Shows conchoidal fracture. Some flow bands visible.